

What is claimed is:

1. An original conveying apparatus comprising:
conveying means for conveying an original to an
5 image reading section of an image forming apparatus;
original detecting means comprising a light-
emitting section, and a light-receiving section;
adjustment means for adjusting a light amount from
said light-emitting section;
10 volatile storage means which permits electrical
writing and erasure, for storing a correction value of
the light amount adjusted by said adjustment means;
nonvolatile storage means which permits electrical
writing and erasure, for storing the correction value;
15 and
writing means for carrying out writing of the
correction value only to said volatile storage means
and not to said nonvolatile storage means when the
correction value has not changed by at least a
20 predetermined amount relative to a correction value
before adjustment by said adjustment means.
2. An original conveying apparatus as claimed in
claim 1, wherein adjustment of the light amount from
said light-emitting section by said adjustment means is
25 carried out immediately after a power supply to said
original conveying apparatus has been turned on and
after a predetermined time period has passed after the

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original conveying apparatus has moved into a standby mode.

3. An original conveying apparatus as claimed in claim 1, wherein said volatile storage means comprises a RAM, and said nonvolatile storage means comprises an EEPROM.

4. An image forming apparatus having an original conveying apparatus as claimed in claim 1, for forming an image on a recording sheet based on an image on the original.

5. A method of adjusting a light amount of a light-emitting section of an original conveying apparatus comprising conveying means for conveying an original to an image reading section of an image forming apparatus, original detecting means comprising a light-emitting section, and a light-receiving section, adjustment means for adjusting a light amount from said light-emitting section, volatile storage means which permits electrical writing and erasure, for storing a correction value of the light amount adjusted by said adjustment means, and nonvolatile storage means which permits electrical writing and erasure, for storing the correction value,

the method comprising the step of carrying out writing of the correction value only to said volatile storage means and not to said nonvolatile storage means when the correction value has not changed by at least a

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predetermined amount relative to a correction value before adjustment by said adjustment means.

6. A method as claimed in claim 5, wherein adjustment of the light amount from said light-emitting section by said adjustment means is carried out immediately after a power supply to said original conveying apparatus has been turned on and after a predetermined time period has passed after the original conveying apparatus has moved into a standby mode.

7. A storage control device for controlling writing data relating to a correction value of a light amount from a light-emitting section of an image forming apparatus to a volatile first storage device and a nonvolatile second storage device of said image forming apparatus wherein said light amount has been adjusted by adjustment means of said image forming apparatus,

the storage control device comprising storage control means for inhibiting writing to said second storage device of the data relating to the correction value adjusted by said adjustment means as a result of adjustment of the light amount from said light-emitting section carried out by said adjustment means, when the data relating to the correction value adjusted by said adjustment means has not changed by at least a predetermined amount relative to data relating to a correction value already stored in said second storage

device.

8. A storage control device as claimed in claim 7,
wherein said storage control means permits writing to
said first storage device of the data relating to the
5 correction value adjusted by said adjustment means each
time adjustment of the light amount from said light-
emitting section is carried out by said adjustment
means.

9. A storage control device as claimed in claim 8,
10 wherein said storage control means includes comparing
means being responsive to adjustment of the light
amount from said light-emitting section having been
carried out by said adjustment means, for comparing the
data relating to the correction value that has been
15 adjusted by said adjustment means and written to said
first storage device with the data relating to the
correction value already written to said second storage
device, and wherein said storage control means
determines whether or not to inhibit writing to said
20 second storage device of the data relating to the
correction value adjusted by said adjustment means
based on a comparison result from said comparing means.

10. A storage control device as claimed in claim
9, wherein said storage control means is responsive to
25 a determination from the comparison result by said
comparing means that the data relating to the
correction value that has been adjusted by said

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adjustment means and written to said first storage device has changed by at least the predetermined amount relative to the data relating to the correction value already written to said second storage device, for
5 permitting writing to said second storage device of the data relating to the correction value adjusted by said adjustment means.

11. A storage control device as claimed in claim 7, wherein said image forming apparatus includes an
10 original conveying apparatus, and a sensor for detecting an original provided in said original conveying apparatus, said sensor having said light-emitting section, and wherein said adjustment means adjusts a light amount from said light-emitting section
15 of said sensor.

12. A storage control device as claimed in claim 11, wherein adjustment of the light amount from said light-emitting section by said adjustment means is carried out immediately after a power supply to said
20 original conveying apparatus has been turned on and after a predetermined time period has passed after said original conveying apparatus moved into a standby mode.

13. A storage control device as claimed in claim 7, wherein said image forming apparatus includes an
25 image forming section main body, and a sensor for detecting a sheet provided in said image forming section main body, said sensor having said light-

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emitting section, and wherein said adjustment means adjusts a light amount from said light-emitting section of said sensor.

14. A storage control device as claimed in claim
5 13, wherein adjustment of the light amount from said light-emitting section by said adjustment means is carried out immediately after a power supply to said image forming section main body has been turned on and after a predetermined time period has passed after said
10 image forming section main body moved into a standby mode.

15. A storage control device as claimed in claim
7, wherein said image forming apparatus includes a sheet processing device, and a sensor for detecting a
15 sheet provided in said sheet processing device, said sensor having said light-emitting section, and wherein said adjustment means adjusts a light amount from said light-emitting section of said sensor.

16. A storage control device as claimed in claim
20 15, wherein adjustment of the light amount from said light-emitting section by said adjustment means is carried out immediately after a power supply to said sheet processing device has been turned on and after a predetermined time period has passed after said sheet
25 processing device moved into a standby mode.

17. A storage control device as claimed in claim
7, wherein said first storage device includes a RAM,

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and said second storage device includes an EEPROM.

18. A storage control method of controlling writing data relating to a correction value of a light amount from a light-emitting section of an image forming apparatus to a volatile first storage device and a nonvolatile second storage device of said image forming apparatus wherein said light amount has been adjusted by adjustment means of said image forming apparatus,
- 10 the storage control method comprising a storage control step of inhibiting writing to said second storage device of the data relating to the correction value adjusted by said adjustment means as a result of adjustment of the light amount from said light-emitting
- 15 section carried out by said adjustment means, when the data relating to the correction value adjusted by said adjustment means has not changed by at least a predetermined amount relative to data relating to a correction value already stored in said second storage
- 20 device.

19. A computer-readable storage medium storing a program for causing a storage control device that controls writing data relating to a correction value of a light amount from a light-emitting section of an
- 25 image forming apparatus to a volatile first storage device and a nonvolatile second storage device of said image forming apparatus wherein said light amount has

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been adjusted by adjustment means of said image forming apparatus, to execute a storage control step of inhibiting writing to said second storage device of the data relating to the correction value adjusted by said adjustment means as a result of adjustment of the light amount from said light-emitting section carried out by said adjustment means, when the data relating to the correction value adjusted by said adjustment means has not changed by at least a predetermined amount relative to data relating to a correction value already stored in said second storage device.

20. A storage control device for controlling a writing process of writing data relating to a correction value corrected by correcting means of an image forming apparatus to a storage device, the storage control device comprising:

control means operable when correction of said correction value by said correcting means is performed, for inhibiting writing the data relating to said correction value corrected by said correcting means to said storage device if a difference between said correction value corrected by said correcting means and a correction value registered by data already stored in said storage device is smaller than a predetermined value, and for allowing writing the data relating to said correction value corrected by said correcting means to said storage device if the difference between

said correction value corrected by said correcting means and said correction value registered by the data already stored in said storage device exceeds said predetermined value.

5 21. A storage control method for controlling a writing process of writing data relating to a correction value corrected by correcting means of an image forming apparatus to a storage device, the storage control method comprising:

10 a control step of inhibiting writing the data relating to said correction value corrected by said correcting means to said storage device if a difference between said correction value corrected by said correcting means and a correction value registered by
15 data already stored in said storage device is smaller than a predetermined value, and for allowing writing the data relating to said correction value corrected by said correcting means to said storage device if the difference between said correction value corrected by
20 said correcting means and said correction value registered by the data already stored in said storage device exceeds said predetermined value, when correction of said correction value by said correcting means is performed.

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